

Title (en)

COPY PROTECTION OF MULTI-COLOUR DOCUMENTS

Publication

EP 0353974 A3 19901122 (EN)

Application

EP 89307759 A 19890731

Priority

GB 8818431 A 19880803

Abstract (en)

[origin: EP0353974A2] A security document printed in colour is provided with a security area intended to defeat copying on a dot-image type colour copier. Such area comprises a line pattern printed in a dark neutral colour on a light neutral colour and is such that colour copying creates a multi-coloured noise pattern not present in the original. The line pattern may include areas of rulings which differ in pitch, line thickness and/or orientation. A security area in the form of a printed disc of radial tapering lines is also disclosed.

IPC 1-7

B41M 3/14

IPC 8 full level

B41M 3/14 (2006.01); **B42D 15/00** (2006.01); **G03G 21/04** (2006.01); **G06K 19/14** (2006.01); **G06K 19/16** (2006.01); **G07D 7/12** (2006.01)

CPC (source: EP)

B41M 3/14 (2013.01); **B42D 25/342** (2014.10); **G03G 21/043** (2013.01); **G06K 19/14** (2013.01); **G06K 19/16** (2013.01)

Citation (search report)

- [X] EP 0204552 A2 19861210 - DE LA RUE THOMAS & CO LTD [GB]
- [X] FR 469015 A 19140722 - LOUIS BAPTISTE NICOLAS [FR]
- [X] DE 1171574 B 19640604 - LAMINATORS INC
- [X] US 1431903 A 19221010 - GEORGE BECKER
- [X] US 4229023 A 19801021 - LUZ WILSON S
- [X] CH 271959 A 19501130 - BACHMANN & CO IN LIQ O [CH]
- [A] DE 912095 C 19490524 - LUCIEN SERRE
- [A] GB 1138011 A 19681227 - CANADIAN BANK NOTE CO LTD
- [A] US 4653775 A 19870331 - RAPHAEL THOMAS [US], et al
- [A] US 4234214 A 19801118 - LEE PETER D
- [A] GB 2018197 A 19791017 - BRADBURY WILKINSON & CO
- [XP] EP 0279526 A2 19880824 - METAL BOX PLC [GB]

Cited by

WO2004020217A1; EP0576942A3; EP0642060A3; US5652626A; CN1087852C; US5338066A; WO0021033A1; EP0710574A2; US7377444B2; US6357800B1; US6351537B1; EP3974204A1; WO9809825A1

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